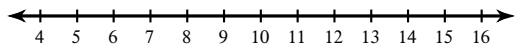


3.6 Compound Inequalities (AND) day 1

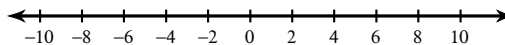
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Solve each compound inequality and graph its solution.

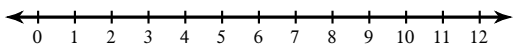
1) $a - 9 \geq 0$ and $a + 10 < 20$



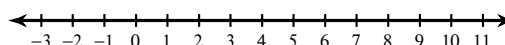
2) $-3p > -24$ and $3p \geq -27$



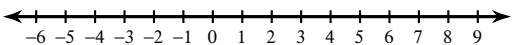
3) $-2 \leq a - 4 < 5$



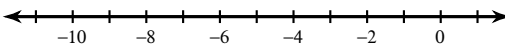
4) $r + 2 < 12$ and $\frac{r}{7} \geq 0$



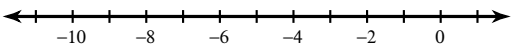
5) $-42 < -6k \leq 24$



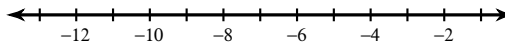
6) $-70 < 7x - 7 \leq -21$



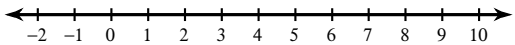
7) $-35 < 4x + 1 < -7$



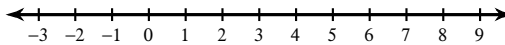
8) $10a - 9 \geq -109$ and $6a - 2 \leq -26$



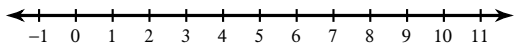
9) $-22 < -7a + 6 \leq 6$



10) $4 < 4 + 5b \leq 34$



11) $9b - 2 > 6b + 1$ and $-4b + 2 < 10 - 5b$



12) $-5b - 2 > -4b - 2$ and $-4b - 2 < 3 + b$

